· m . de .

978 264 9119

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademerk Officer, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Raduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB

Substitute fo	or form 1449A	PTO	Comp	lete if Known
			Application Number	10/761,138
INFO	RMATION	DISCLOSURE	Filing Date	02/18/2004
		BY APPLICANT	First Named Inventor	Backes
(us	as many she	ets as necessary)	Art Unit	
			Examiner Name	Unknown
Sheet	1	of	Attorney Docket Number	160-014

			U.S. PATE	NT DOCUMENTS	
Examiner Initials	Cite No.'	Document Number Number - Kind Code ² (If known)	Publication Data MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columna, Lines, Where Relovent Passages or Relevant Figures Appear
1018		US-8,785,407	09/21/2004	Chesson	T ISSIGN PERSON
wo	 	US-8,870,815	. 03/22/2005	McFarland et al.	
(10)	Ì	US-			
		US-	1		
		US-			
		US-	<u> </u>		
	L	US-			
		US-			
	<u> </u>	US-			
		. US-	<u></u>		
	ļ	U\$-			
	 	US-			
		US-	 	}	
	 	US-	ļ		<u> </u>
		US-	}	 	
	-	US-	 		

		FOREIG	N PATENT DOC	JMENTS		
_		Foreign Palent Document	Publication Date	Name of Patenteo or	Pages, Columns, Lines,	Т
Examiner Initials	No.	Country Code ² - Number ⁶ - Kind Code ⁶ (#Indexe)	MON-CO-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	ľ
						╀
						\dagger
	-		/			Ŧ
						┨╴
						T
			··-·-	 		╀
			-			t
	·					
Examine Signatur		Man in Dl	LOLI	Date Considered	7/16/07	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.usate.eov or MPEP 901.04.

Enter Office that issued the document, by the two-letter code (WIPO Standard STA). *For Japaness patent documents, the indication of the year of the reign of the Empart must procede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement. This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any commands on the you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents. Washington, DC 20231.

Sheet

Examiner

Signature

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Tradernark Office; U.S. DEPARTMENT OF COMMERCE Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

1

Complete if Known **Application Number** 10/781,136 2/18/2004 **Filing Date** First Named Inventor **Backes** Art Unit Examiner Name Not yet known 160-014 Attorney Docket Number

			U.S. PATE	NT DOCUMENTS	
Examiner Initiats*	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M	Ľ	US-5,493,694	02/20/1996	Vicek et al.	
Mp		US-6,266,537	07/24/2001	Kashitani et al.	
m		US-2004/0054767	03/18/2004	Karaoguz et al.	
		US-			
	<u>L</u>	US-			
		US-			

		FOREIG	N PATENT DOC	JMENTS		
	T	Foreign Patent Document	D. 4.5 15 D. 4.	Name of Patentee or	Pages, Columns, Lines,	Т
Examiner Initials*	Cite No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Pessages or Relevant Figures Appear	<u> </u>
	 				***************************************	╀
						T
					The state of the s	╀
						T
	\vdash					╀
						L

Date

Considered

6 ัง ๖

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.ggy or MPEP 901.04.

Senter Office that issued the document, by the two-letter code (WIPO Standard ST3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. Washington, DC 20231.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute	for form 1449A	/PTO		Complete	e if Known	
				Application Number	10/781,138	
INF	ORMATION	I DISCLOS	SURE	Filing Date	2/18/2004	
STA	ATEMENT E	BY APPLIC	CANT	First Named Inventor Backes		
(u	ise as many she	ets as neces:	sary)	Art Unit		
7 A L	_			Examiner Name	Not yet known	
Sheet	11	of	1	Attorney Docket Number	160-014	

			U.S. PATE	NT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MP		US-5,963,848	10/05/1999	D'Aveilo	
in	<u> </u>	US-5,606,727	02/25/1997	Ueda	
		US-			
		US-			
	<u> </u>	US-			
		US-			
	<u> </u>	US-			
		US-			
		US-			
		US-			
•		US-			
		US-	. /		
		US-			
		US-		P.	
	<u> </u>	US-			
		US-			
	l	US-			

		FOREIG	N PATENT DOC	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	,
	<u> </u>					+
						1
			/			†
						╀
						1
Examine Signatur		1 Am 2 Wh	aus	Date Considered	7/16/07	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

'Enter Office that issued the document, by the two-letter code (WIPO Standard ST,3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST, 16 if possible. "Applicant is to place a check mark here if English language Translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

OCT 2 8 2004

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB ork Reduction A Under the Pa

Substitute	for form 1449	VPTO		Complet	e if Known
				Application Number	10/781136
INF	ORMATION	DISCLOS	SURE	Filing Date	2/18/2004
STA	TEMENT E	SY APPLIC	ANT	First Named Inventor	Backes
(use	as many she	ets as neces	ssary)	Art Unit	
_				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	160-014

			U.S. PATE	NT DOCUMENTS	
Examiner Initials*	Cite No.	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M	I	US- 2004/0137915 A1	7/15/2004	Diener et al.	
1	I	US- 2003.0207699 A1	11/6/2003	Shpak	
T	I	US- 2002/0193113 A1	12/19/2002	Shibutani	
	I	US- 2002/0141375 A1	10/3/2002	Chai	
		US- 2003/0022686 A1	1/30/2003	Soomro et al.	
	I	US- 2002/0176437 A1	11/28/2002	Busch et al.	
		US- 2003/0002456 A1	1/2/2003 ·	Soomro et al.	
		US- 2002/0060995 A1	5/23/2002	Cervello et al.	
		US- 6,741,863 B1	5/25/2004	Chiang et al.	
		US- 6,560,462 B1	5/8/2003	Ravi et al.	
		US- 6,332,007 B1	12/18/2001	Wu et al.	
		US- 6,208,629 B1	3/27/2001	Jaszewski et al.	
		US- 6,198,924 B1	3/6/2001	Ishii et al.	
<u> </u>		US- 6,760,748 B1	7/6/2004	Hakim	
I		US- 6,111,867	12/12/1997	Mann	
		US- 6,574,477	10/6/1999	Rathunde	
T		US- 6,574,474	5/20/1999	Nielson	
1		UŞ- 6,732,163	1/5/2000	Halaşz	
1	I	US- 6,215,779	9/22/1998	Bender	
7	<u> </u>	US- 6,636,737	4/10/2000	Hills	
		US- 6,738,599	3/14/2002	Black	
		US- 6,522,881	3/8/2000	Feder	
my		US- 6,208,629	3/10/1999	Jaszewski	

		FOREIG	ON PATENT DOCL	IMENTS	
Examiner Initials*	Citie No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

			· • · · · · · · · · · · · · · · · · · ·	***************************************	
Evenine		A 1		Date	
Examine Signatur		Man 20 20 11	<u></u>	Date Considered	7/16/07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form withheat communication to applicant.

Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTC/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB

Substi	tute for form 1449B/F	PTO		Comple	te if Known	
0000	Oddamate for form 14435/110		Application Number	10/781136		
	INFORMATION D	DISCL	OSURF	Filing Date	2/18/2004	
	STATEMENT BY			First Named Inventor	Backes	
	(use as many sheet			Group Art Unit		
	(use as many sneets as necessary)			Examiner Name		
Sheet	2	of	2	Attomey Docket Number	160-014	

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite, No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т2	
mp		IEEE, Wireless LAN Mediumi Access Control (MAC) and Physical Layer (PHY) specifications, Standard 802.11, 1999 edition, Reference number ISO/IEC 8802-11:1999(E), 528 Pages.		
		MICHAEL BARR, "Toward a Smaller Java", Embedded.com, June 14, 2002, Pages 1-9.		
	}	Moustafa Youssef, "Handling Samples Correlation in the Horus System", IEEE INFOCOM 2004		
•••••••		Kin K. Leung, "Integrated Link Adaptation and Power Control for Wireless IP Networks", AT&T Labs – research , January 19, 2000.		
		Ana Zapater et. Al., "Development and Implementation of a Bluetooth Networking Infrastructure for the a Notebook – University Scenario", Institute of Communications Engineering, University of Hannover, May 13, 2003.		
	•••••••	Walter Klotz, "Graph Coloring Algorithms", 1999.		
ľ	***************************************	Brent N. Chun et. Al., "Market-based Proportional esource Sharing for Clusters", University of California at Berkeley computer Science Division, September 1999.	*******	
WP		The Four Color Theorem, Web page, author(s) unknown, updated November 13, 1995.		
	• • • • • • • • • • • • • • • • • • • •			

•••••	••••••			

					_
Examiner Signature	Man 2	phan.	Date Considered	7/16/07	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.